

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 03/01911

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 C12Q1/37 G 033/573

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 C12Q G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

MEDLINE, BIOSIS, EPO-Internal, WPI Data, PAJ, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>FERNANDO PASAN ET AL: "Caspase 3 activity is required for skeletal muscle differentiation"          PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES,          vol. 99, no. 17,          20 August 2002 (2002-08-20), pages          11025-11030, XP002278719          August 20, 2002          ISSN: 0027-8424          p.11025, section "Materials and Methods",          paragraph "myoblast culture"; p.11028,          left-hand column, second paragraph; p.          11030, last 8 lines.</p> <p style="text-align: center;">--- -/--</p>	1-22



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

30 April 2004

Date of mailing of the international search report

09/06/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ✓	<p>WU Z ET AL: "p38 and extracellular signal-regulated kinases regulate the myogenic program at multiple steps" MOLECULAR AND CELLULAR BIOLOGY, AMERICAN SOCIETY FOR MICROBIOLOGY, WASHINGTON, US, vol. 20, no. 11, June 2000 (2000-06), pages 3951-3964, XP002251467 ISSN: 0270-7306 p. 3953, section "Inhibition of p38 activity prevents myotube formation".</p> <p>---</p>	1-22
X ✓	<p>ZERMATI Yael ET AL: "Caspase activation is required for terminal erythroid differentiation" JOURNAL OF EXPERIMENTAL MEDICINE, vol. 193, no. 2, 15 January 2001 (2001-01-15), pages 247-254, XP002278721 ISSN: 0022-1007 p.249, left-hand column, second paragraph to p. 250, right-hand column, l. 14; p. 253, last paragraph. abstract</p> <p>---</p>	1-22
P,X ✓	<p>MOGI MAKIO ET AL: "Activation of caspases is required for osteoblastic differentiation." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 278, no. 48, 28 November 2003 (2003-11-28), pages 47477-47482, XP002278720 ISSN: 0021-9258 p.47478, section "results", first two paragraphs; p. 47477, "Experimental procedures", paragraph "Material"; p. 47481, right-hand column, last paragraph.</p> <p>---</p>	1-22
P,X	<p>ALTURA R A ET AL: "Nuclear expression of Survivin in paediatric ependymomas and choroid plexus tumours correlates with morphologic tumour grade." BRITISH JOURNAL OF CANCER. ENGLAND 3 NOV 2003, vol. 89, no. 9, 3 November 2003 (2003-11-03), pages 1743-1749, XP002278722 ISSN: 0007-0920 abstract</p> <p>---</p>	1-22
P,X	<p>WO 03/093487 A (HARVEY RICHARD HANS ;VICTOR CHANG CARDIAC RES INST (AU); YEOH THOM) 13 November 2003 (2003-11-13) the whole document</p> <p>---</p> <p>-/--</p>	1-22

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 981 708 A (LAWMAN PATRICIA D ET AL) 9 November 1999 (1999-11-09) the whole document ---	1-22
A	US 5 750 376 A (REYNOLDS BRENT ET AL) 12 May 1998 (1998-05-12) the whole document ---	1-22
A	SOMMER LUKAS ET AL: "Neural stem cells and regulation of cell number" PROGRESS IN NEUROBIOLOGY (OXFORD), vol. 66, no. 1, January 2002 (2002-01), pages 1-18, XP002278723 ISSN: 0301-0082 the whole document -----	1-22

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Although claims 4-9, 12-18 and 21 are directed to a method for modulating caspase-3 activity to modulate differentiation of stem cells thus modulating the fate of the said stem cells which can be used for therapeutic purpose (method of treatment of the human/animal body) the search has been carried out and based on the alleged effects of the compounds.

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International application No.  
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## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
see FURTHER INFORMATION sheet PCT/ISA/210
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent member	Publication date
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Information on patent family members

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